

**Town of Tolland
Wood Stove Installation
Massachusetts Building Code Requirements**

The installation of any wood burning stove and chimney must conform to these provisions of the Massachusetts State Building Code or manufacturer's recommended procedures (as required by the lab-tested requirements).

1. **PERMIT:** A permit must be secured prior to installation of a wood burning stove. The application for the permit shall be accompanied by a list of components to be assembled and a diagrammatic sketch of the planned installation. (Code 113.5).
2. **LABEL:** Every new wood burning stove to be installed in Massachusetts must be labeled as having been tested (see standards) by a laboratory accredited by the State Building Code Commission. (Code 2109.8).
3. **CHIMNEY (General):** Every wood burning stove shall be connected to either an existing chimney or a new chimney. All chimneys shall be secured at each floor level or at least every 10'-0" and adequately supported. All spaces between chimneys, floors, and ceilings shall be firestopped to a depth of two (2") inches. (Code 2109.1, 2108.2).
 - a. **FLUE:** The flue area shall not be smaller than the areas shown in Table 2108.3.2.7. (Code 2108.2.2, 1001.3).
 - b. **MULTIPLE FLUE CONNECTIONS:** A solid fuel burning heating appliance may be vented into a common flue of a masonry chimney with a liquid fuel burning device provided that:
 - i. The flue does not also vent a working fireplace.
 - ii. The solid fuel burning appliance's connector, if separate, shall enter at a minimum of six (6) inches below the liquid fueled appliance's connector pipe.
 - iii. All appliances shall be approved by the appropriate state agencies.
 - iv. The flue shall be of sufficient size to serve all the units connected to it if operated simultaneously (see Table 2108.3.2.7).

Note: While the Building Code does allow for this, it is not a highly recommended practice.

**Figure 2109.4
STOVE INSTALLATION CLEARANCES**

| Stove Components | Combustible Material | Asbestos Millboard Spaced Out 1" 2. | Concrete/Masonry Foundation Wall | Spaced Out 1" 4" Brick Veneer |
|----------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------|-------------------------------|
| Radiant Stove 1. -Front | 36" | - | - | - |
| Circulating Stove 1. -Front | 24" | - | - | - |
| A.Radiant Stove 3. -Side/Back/Top | 36" | 18" | 6" | 18" |
| A.Circulating Stove -Side/Back/Top | 12" | 6" | 6" | 6" |
| B.Single Wall Connector Pipe | 18" | 12" | 6" | 8" |
| B.Insulated Connector Pipe | 2" | 2" | 2" | 2" |
| C.Chimney Height (Metal or Masonry) | Three (3) feet above adjacent roof and two (2) feet above any roof ridge within 10 feet | | | |
| D.Damper | If a damper is not included in the stove construction, it must be installed in the connector pipe | | | |

1. Front: Fuel or ash access side.
 2. Non-combustible spacers required.
 3. Clearances on each side of a radiant stove with a heat shield shall be measured as if a circulating type.
- Note: Clearances shall be measured perpendicular to stove body.
Laboratory verified test clearances permitted.

**Building Inspector
Town of Tolland**

PERMIT # _____

**APPLICATION FOR
WOOD STOVES, CHIMNEYS, FIREPLACES**

| | | | | |
|-------------------------------------|--------------------------------------------------------------------------------|----------------|----------------|------------------------------------|
| LOCATION OF BUILDING | Number & Street MAP _____ LOT _____ ZONE _____ | | | |
| | Circle Side of Street | N E | S W | Nearest Intersecting Street |

APPLICATION TO ERECT OR INSTALL:

EXPLAIN: _____

- ☐ **WOOD STOVE**
- ☐ **CHIMNEY**
- ☐ **FIREPLACE**

ESTIMATED COST: \$ _____

NOTE:

Fill out in duplicate and return applications and completed Wood Stove Installation Checklist

FIREPLACES AND CHIMNEYS: **Provide two sets of plans with application.**

| | | |
|-------------------------------------|----------------|--------------|
| Owner's Name & Address | Phone # | email |
| | | |
| | | |
| | | |
| Builder's Name & Address | Phone # | email |
| | | |
| | | |
| | | |

The owner of this building and the undersigned agree to conform to all applicable laws of the Town.

Signature of Owner or Authorized Agent

_____ Date _____

WOOD STOVE INSTALLATION CHECKLIST

Permit

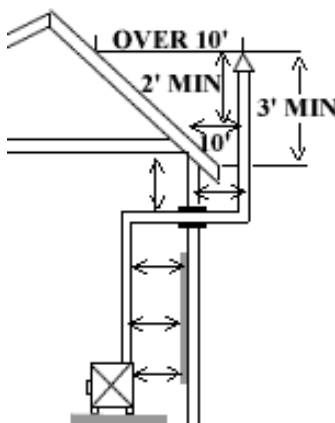
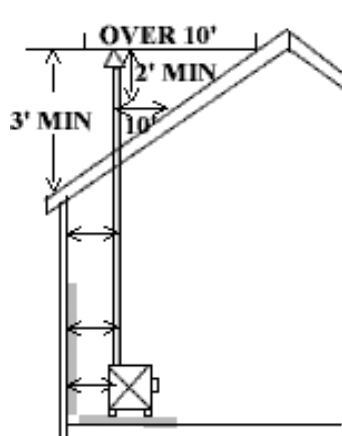
A building permit is required for the installation of any solid fuel burning appliance. The building permit and installation inspection are limited to the stove installation and not to the stove construction.

Stove

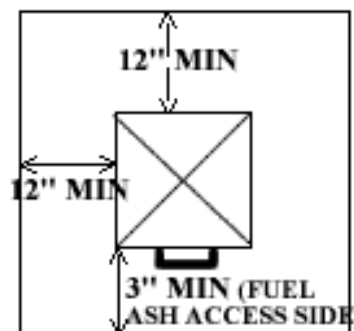
A. New _____ Used _____
 B. Type/radiant _____ Circulating _____
 C. Manufacturer _____ Lab. No. _____
 Name/Model No. _____ Collar size _____
 Dimensions/Height _____ Length _____ Width _____

Chimney

A. New _____ Existing _____
 B. Size (flue area) _____
 C. Other appliances attached to flue (Number and flue size) _____
 D. Prefab (Manufacturer's name and type) _____
 E. Masonry/Lined _____ Flue liner _____
 Unlined _____ (type & manufacturer) _____
 F. Height (refer to diagrams) _____ cap _____



CHIMNEY HEIGHT



HEARTH

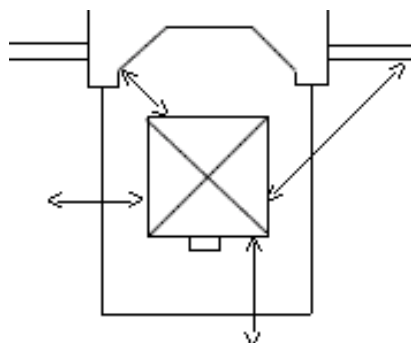
Hearth (non-combustible)

A. Materials _____
 B. Sub-floor construction _____
 C. Minimum dimensions (refer to diagram) _____

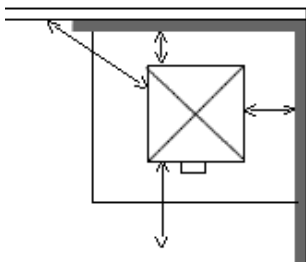
Clearances and Wall Protection (see stove installation clearances chart)

A. Type of wall protection provided _____

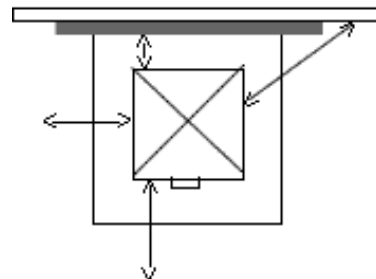
B. Clearances (refer to diagrams) _____



FIREPLACE



CORNER



WALL/CENTER